LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.724	10	12	21	rVB	347007	593036	19.59%	1.256%
2	1.850	21	23	35	rVB	1718414	3026923	100.00%	6.410%
3	4.947	291	294	300	rBV	113104	160684	5.31%	0.340%
4	5.370	329	331	334	rVB	1463876	1962246	64.83%	4.155%
5	5.942	377	381	382	rBV	58164	81396	2.69%	0.172%
6	6.056	388	391	392	rVB	1894539	2606292	86.10%	5.519%
7	6.216	401	405	407	rBV	566043	594115	19.63%	1.258%
8	6.319	409	414	417	rVB3	24923	52873	1.75%	0.112%
9	6.422	420	423	425	rVV	1947700	2100051	69.38%	4.447%
10	6.479	425	428	429	rVV	73665	73405	2.43%	0.155%
11	6.547	431	434	436	rVV	2153814	2019352	66.71%	4.276%
12	6.730	448	450	452	rBV2	29494	39165	1.29%	0.083%
13	6.776	452	454	458	rVB2	724146	837222	27.66%	1.773%
14	6.856	459	461	463	rVV	283637	349996	11.56%	0.741%
15	6.902	463	465	466	rVV	2127563	1721647	56.88%	3.646%
16	6.936	466	468	471	rVB	1807077	1666457	55.05%	3.529%
17	7.119	481	484	486	rBV	319810	283625	9.37%	0.601%
18	7.199	487	491	493	rBV2	48950	74606	2.46%	0.158%
19	7.245	493	495	497	rVB	85211	80346	2.65%	0.170%
20	7.347	500	504	506	rVV	1457808	1853229	61.22%	3.924%
21	7.599	524	526	528	rBV	255895	224002	7.40%	0.474%
22	7.679	531	533	538	rBV	112939	106626	3.52%	0.226%
23	7.816	541	545	546	rVV	88768	133206	4.40%	0.282%
24	7.862	546	549	551	rVV3	24883	66071	2.18%	0.140%
25	7.896	551	552	553	rVV	102248	70557	2.33%	0.149%
26	7.976	557	559	561	rBV	856441	781037	25.80%	1.654%
27	8.010	561	562	565	rVV	375554	336273	11.11%	0.712%
28	8.067	565	567	568	rVV	1115993	1027442	33.94%	2.176%
29	8.102	568	570	572	rVV2	1447355	1691507	55.88%	3.582%
30	8.193	576	578	580	rBV	255012	357702	11.82%	0.757%
31	8.239	580	582	584	rVB	39949	51974	1.72%	0.110%
32	8.422	594	598	599	rBV2	25573	45294	1.50%	0.096%
33	8.456	599	601	602	rVB	58153	75405	2.49%	0.160%
34	8.650	613	618	619	rBV3	26373	64039	2.12%	0.136%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.673	619	620	624	rVV4	28657	53560	1.77%	0.113%
36	8.776	627	629	631	rVV	75379	102676	3.39%	0.217%
37	8.810	631	632	634	rVV	64902	60979	2.01%	0.129%
38	8.879	636	638	640	rVB	88471	73450	2.43%	0.156%
39	9.153	659	662	663	rBV	1870334	2358638	77.92%	4.995%
40	9.210	665	667	669	rVV	347264	348237	11.50%	0.737%
41	9.279	671	673	677	rVV3	21299	47982	1.59%	0.102%
42	9.405	681	684	687	rBV2	46511	81438	2.69%	0.172%
43	9.485	687	691	692	rVV3	78041	119044	3.93%	0.252%
44	9.508	692	693	694	rVV	57178	50820	1.68%	0.108%
45	9.542	694	696	698	rVV	559747	494442	16.33%	1.047%
46	9.599	698	701	703	rVB2	26054	41776	1.38%	0.088%
47	9.679	706	708	710	rVB	44408	41199	1.36%	0.087%
48	9.736	710	713	714	rBV	38769	45915	1.52%	0.097%
49	9.816	718	720	722	rVV	716569	1023238	33.80%	2.167%
50	9.850	722	723	725	rVB	161788	143256	4.73%	0.303%
51	9.942	728	731	733	rBV3	33856	65836	2.18%	0.139%
52	10.022	736	738	740	rVB	212918	180896	5.98%	0.383%
53	10.228	754	756	758	rBV2	43120	68450	2.26%	0.145%
54	10.262	758	759	761	rVB	53737	40056	1.32%	0.085%
55	10.365	766	768	771	rVB	347058	295452	9.76%	0.626%
56	10.433	771	774	775	rBV2	20040	39332	1.30%	0.083%
57	10.479	777	778	781	rVV2	46505	54420	1.80%	0.115%
58	10.525	781	782	784	rVB	63657	52240	1.73%	0.111%
59	10.605	787	789	791	rVV2	1022631	1216685	40.20%	2.576%
60	10.651	791	793	795	rVV3	21103	35865	1.18%	0.076%
61	10.731	798	800	804	rVV	112230	179562	5.93%	0.380%
62	10.913	813	816	817	rBV	45347	74811	2.47%	0.158%
63	11.108	832	833	835	rBV2	39122	40226	1.33%	0.085%
64	11.199	835	841	844	rBV4	101240	301742	9.97%	0.639%
65	11.302	848	850	851	rBV	899714	854827	28.24%	1.810%
66	11.382	854	857	858	rBV	114069	173078	5.72%	0.366%
67	11.416	858	860	861	rBV	39687	60584	2.00%	0.128%
68	11.542	868	871	874	rBV3	225049	460383	15.21%	0.975%
69	11.611	875	877	878	rBV2	102188	123628	4.08%	0.262%
70	11.805	892	894	895	rBV	130312	168950	5.58%	0.358%
71	11.919	902	904	905	rBV	186419	230520	7.62%	0.488%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.525	955	957	960	rVV	760574	808437	26.71%	1.712%
73	12.571	960	961	964	rVB3	155265	149017	4.92%	0.316%
74	12.754	972	977	978	rBV2	710625	961658	31.77%	2.036%
75	12.891	987	989	992	rVB	1222208	1420291	46.92%	3.008%
76	13.028	999	1001	1002	rVB	89475	68460	2.26%	0.145%
77	13.074	1003	1005	1007	rVB	190845	210310	6.95%	0.445%
78	13.131	1008	1010	1012	rBV2	210875	296291	9.79%	0.627%
79	13.177	1012	1014	1015	rVB	105169	111249	3.68%	0.236%
80	13.268	1020	1022	1023	rVB	80367	75007	2.48%	0.159%
81	13.428	1034	1036	1038	rBV2	77524	119615	3.95%	0.253%
82	13.474	1038	1040	1041	rVV	194142	177020	5.85%	0.375%
83	13.805	1066	1069	1071	rVB2	162923	250911	8.29%	0.531%
84	13.942	1078	1081	1085	rBV3	805265	1770381	58.49%	3.749%
85	14.045	1088	1090	1092	rVB	83974	71971	2.38%	0.152%
86	14.114	1094	1096	1098	rBV	160013	172208	5.69%	0.365%
87	14.194	1102	1103	1105	rBV	148496	114758	3.79%	0.243%
88	14.422	1121	1123	1124	rBV2	164030	170772	5.64%	0.362%
89	14.720	1147	1149	1153	rVB3	106038	175957	5.81%	0.373%
90	14.960	1167	1170	1173	rBV	500238	1102937	36.44%	2.336%
91	15.234	1192	1194	1197	rVB	369014	451844	14.93%	0.957%
92	15.291	1197	1199	1202	rBV	507679	641875	21.21%	1.359%
93	15.348	1202	1204	1206	rBV	464940	707512	23.37%	1.498%
94	15.794	1241	1243	1245	rBV	63880	101527	3.35%	0.215%
95	16.000	1259	1261	1269	rVB2	149837	362726	11.98%	0.768%
96	16.400	1293	1296	1302	rVB2	149311	333599	11.02%	0.706%
97	16.708	1320	1323	1328	rVB2	228019	443529	14.65%	0.939%
98	16.925	1339	1342	1345	rBV2	68837	127653	4.22%	0.270%
99	17.108	1355	1358	1363	rVB	179213	353607	11.68%	0.749%
100	19.143	1531	1536	1546	rVB4	99635	461514	15.25%	0.977%

Sum of corrected areas: 47224630

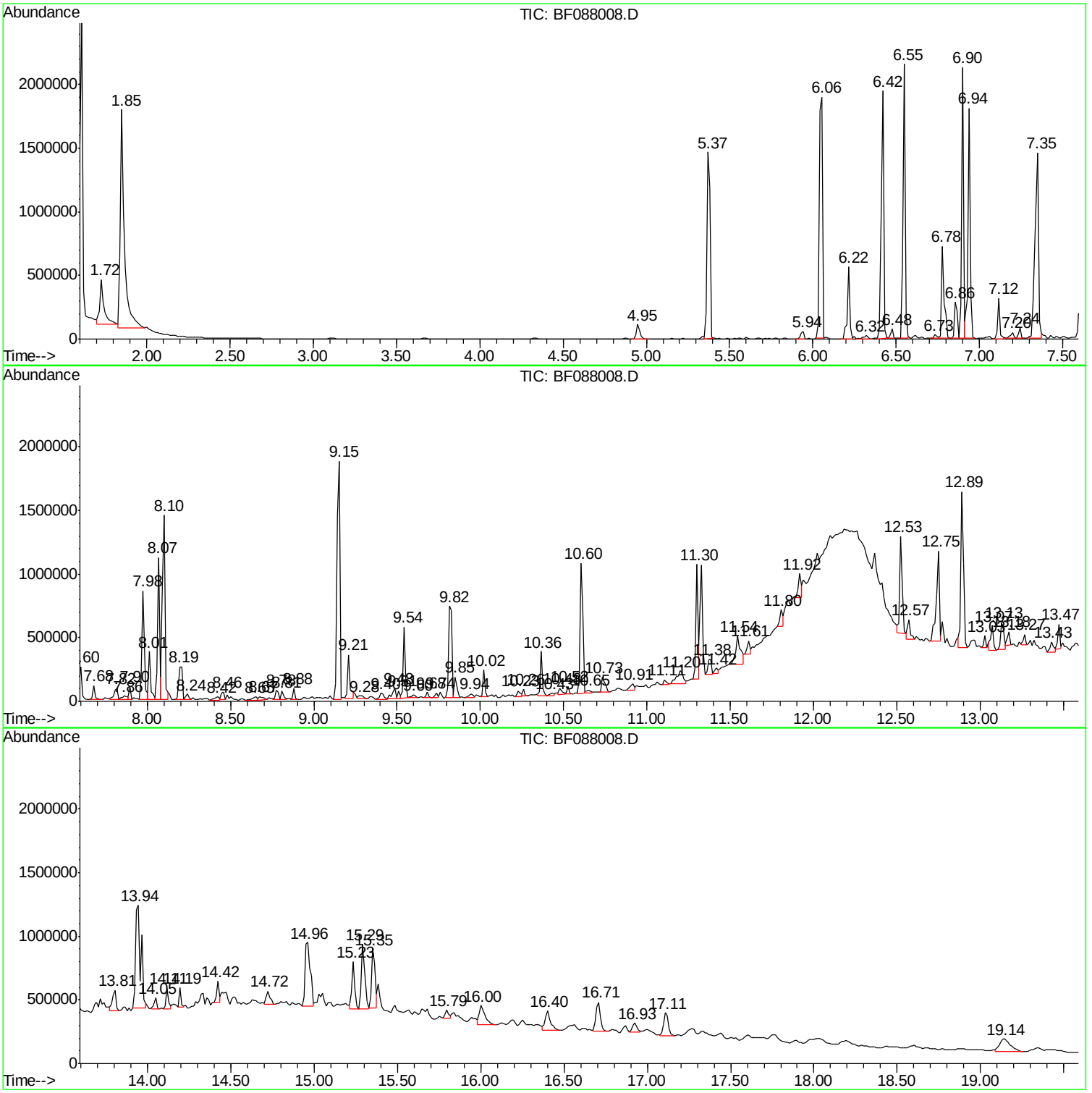
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

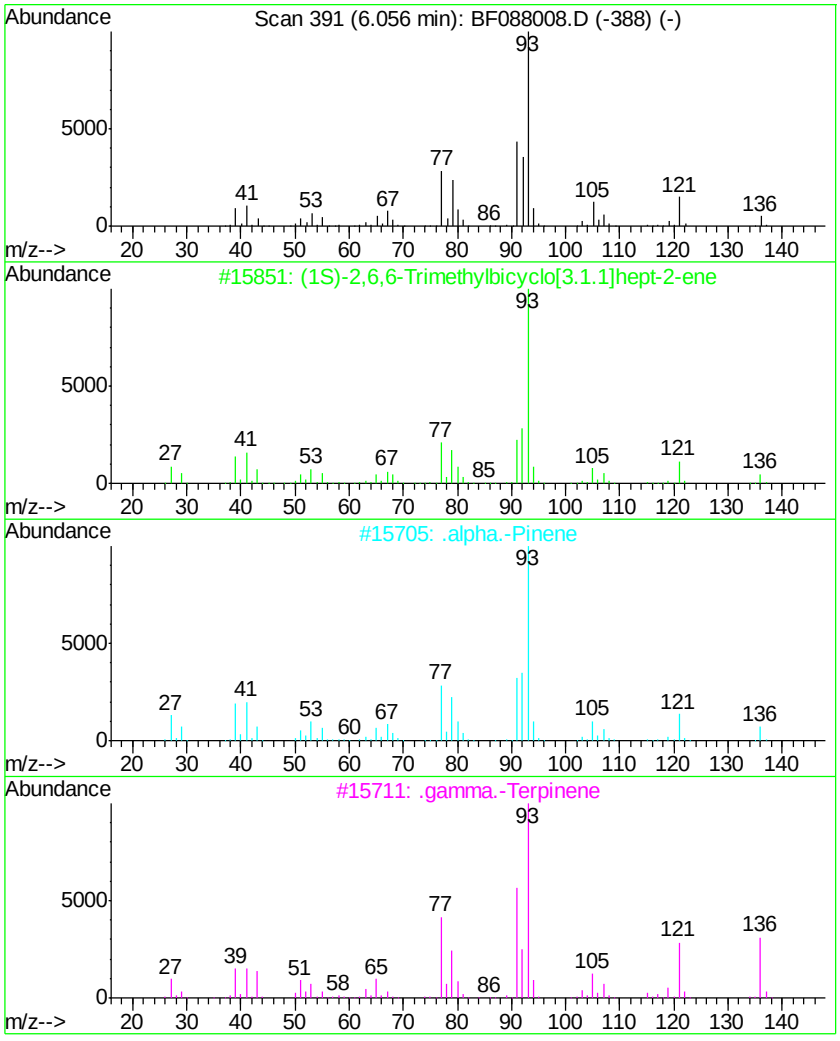
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

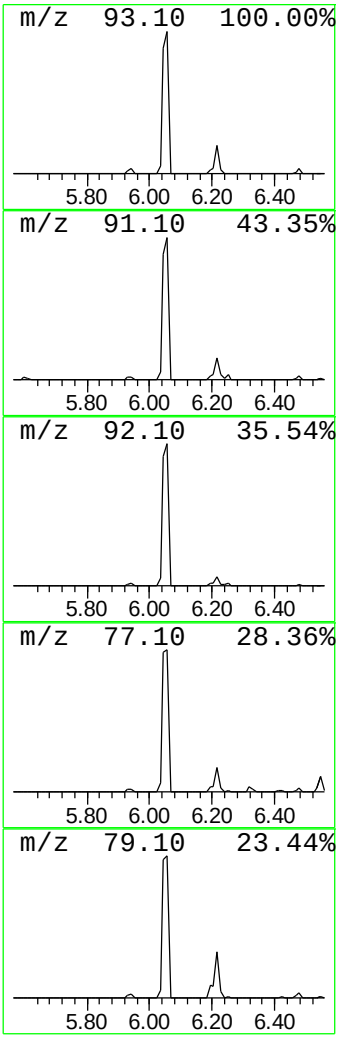
****

Peak Number 3 (1S)-2,6,6-Trimethylbicyclo... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	62.26 ng	2606290	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	97
2	.alpha.-Pinene	136	C10H16	000080-56-8	95
3	.gamma.-Terpinene	136	C10H16	000099-85-4	95
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

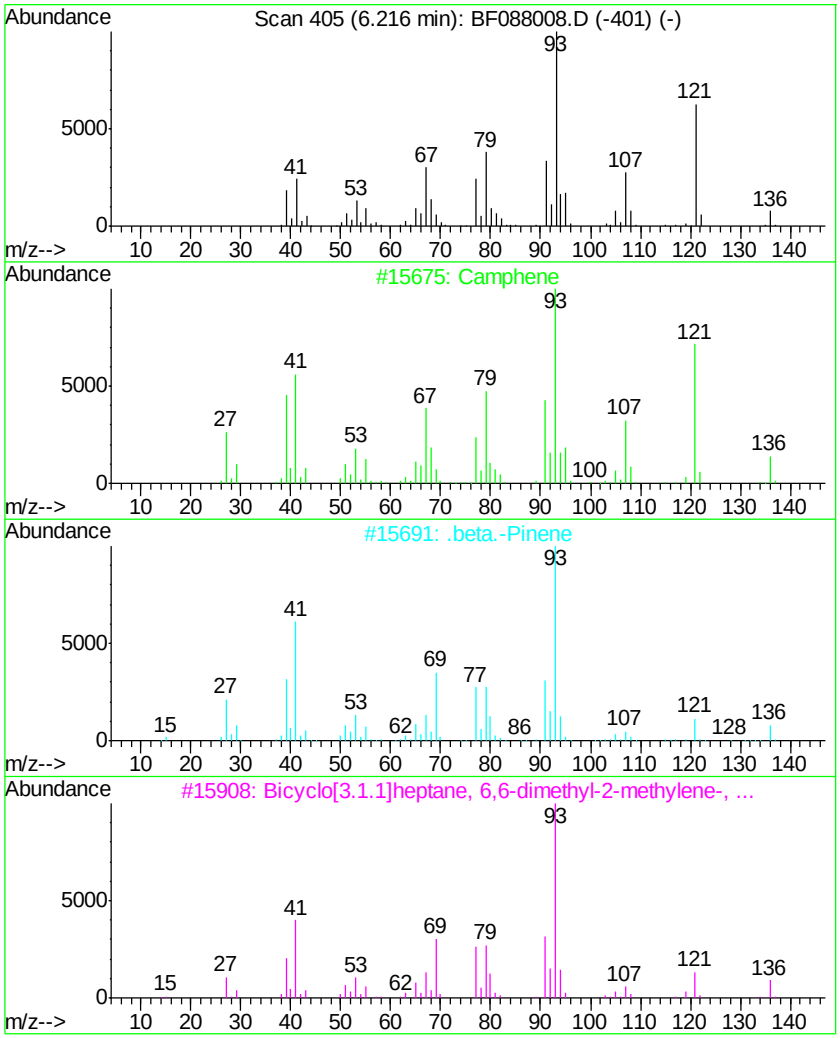
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

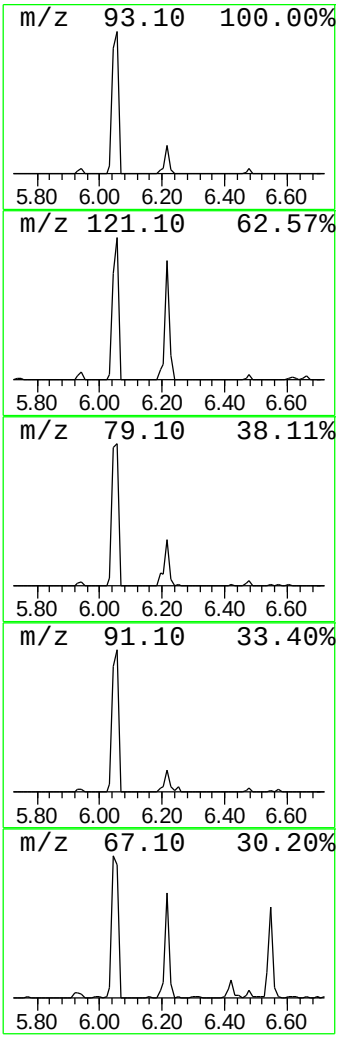
****

Peak Number 4 Camphene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	14.19 ng	594115	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	94
2	.beta.-Pinene	136	C10H16	000127-91-3	64
3	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	64
4	Cyclohexene, 5-methyl-3-(1-methy...	136	C10H16	056816-08-1	58
5	Bicyclo[3.1.0]hexane, 4-methylen...	136	C10H16	003387-41-5	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

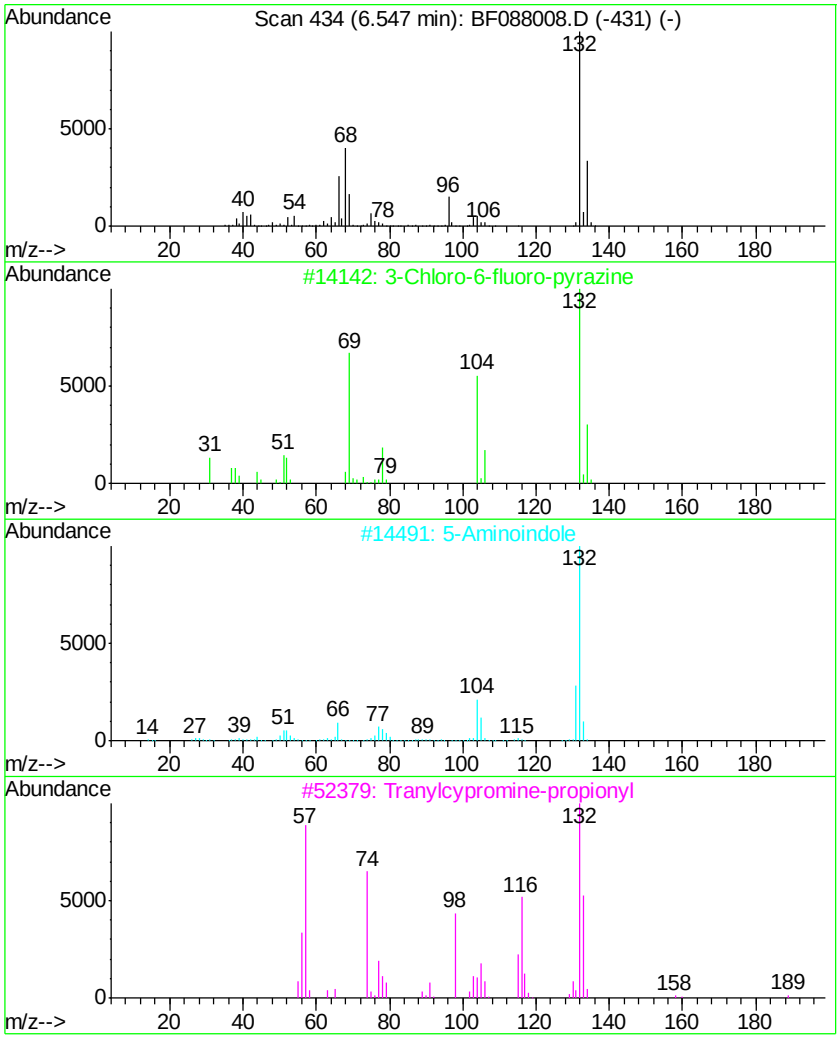
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

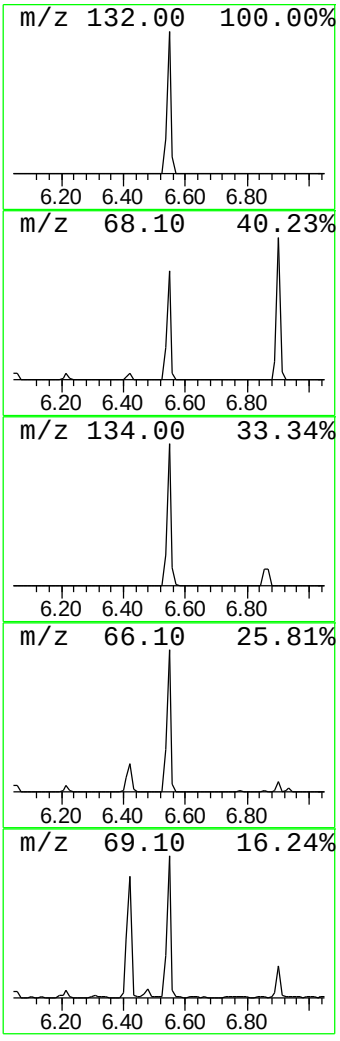
****

Peak Number 5 unknown6.55 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	48.24 ng	2019350	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

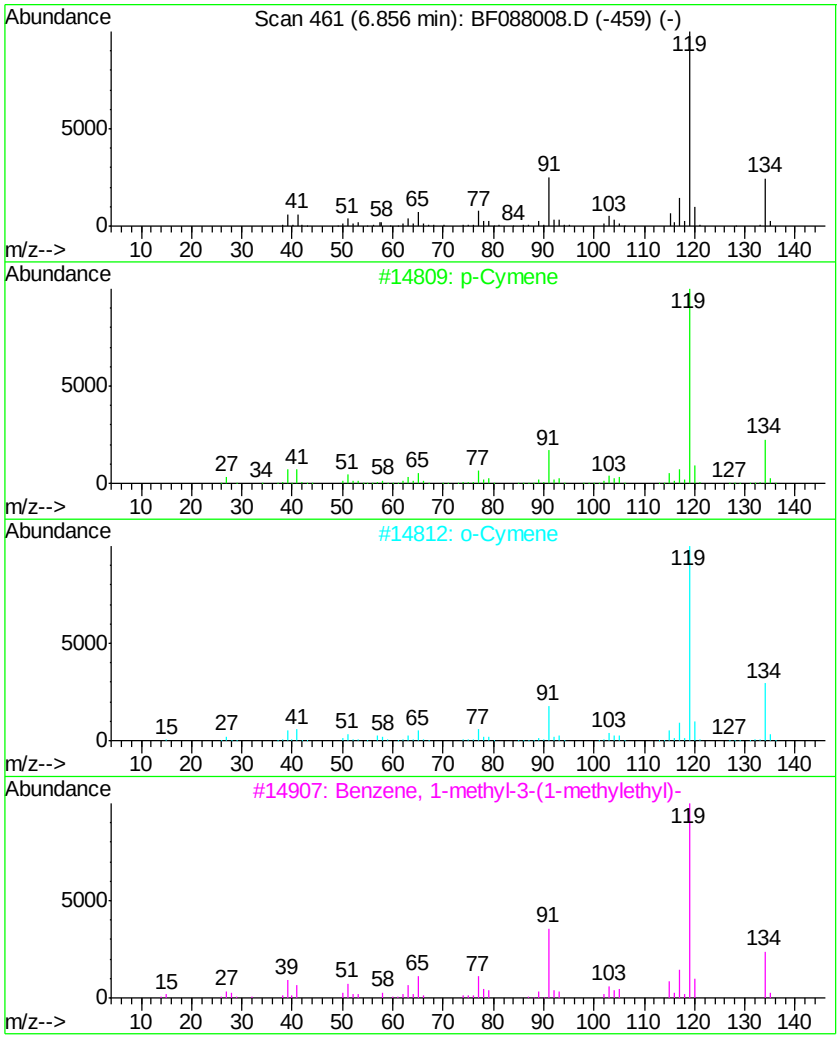
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

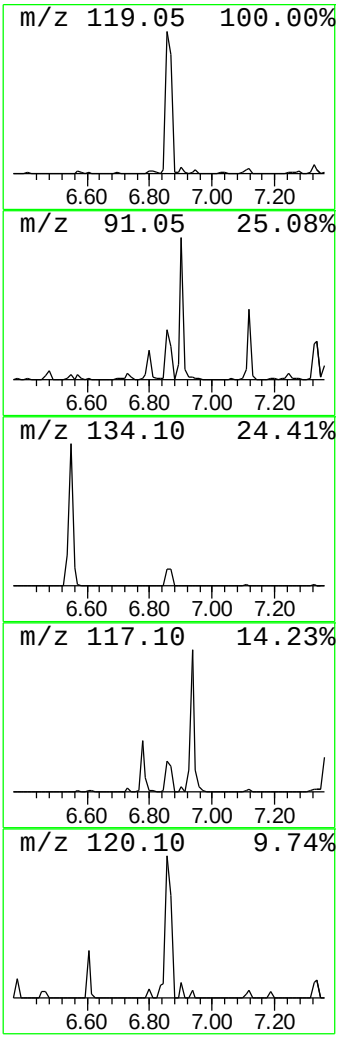
****

Peak Number 6 p-Cymene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	8.36 ng	349996	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

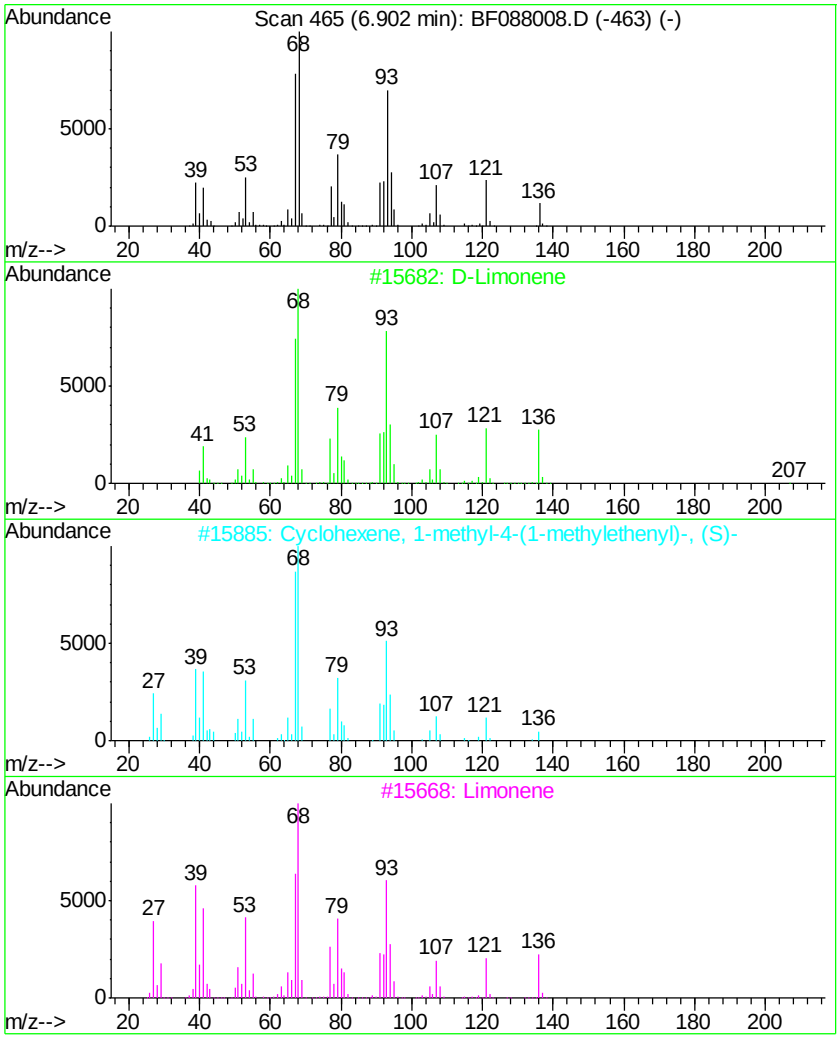
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

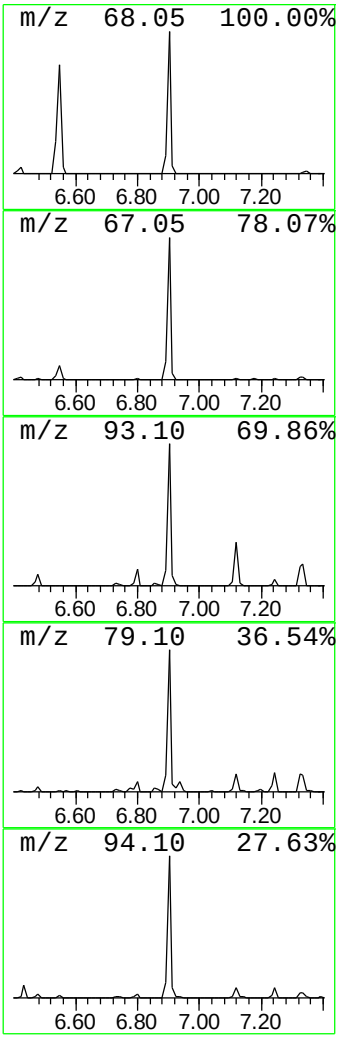
****

Peak Number 7 D-Limonene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	41.13 ng	1721650	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	98
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	95
3	Limonene	136	C10H16	000138-86-3	91
4	Cyclohexene, 1-methyl-5-(1-methy...	136	C10H16	013898-73-2	81
5	Cyclohexanol, 1-methyl-4-(1-meth...	196	C12H20O2	010198-23-9	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

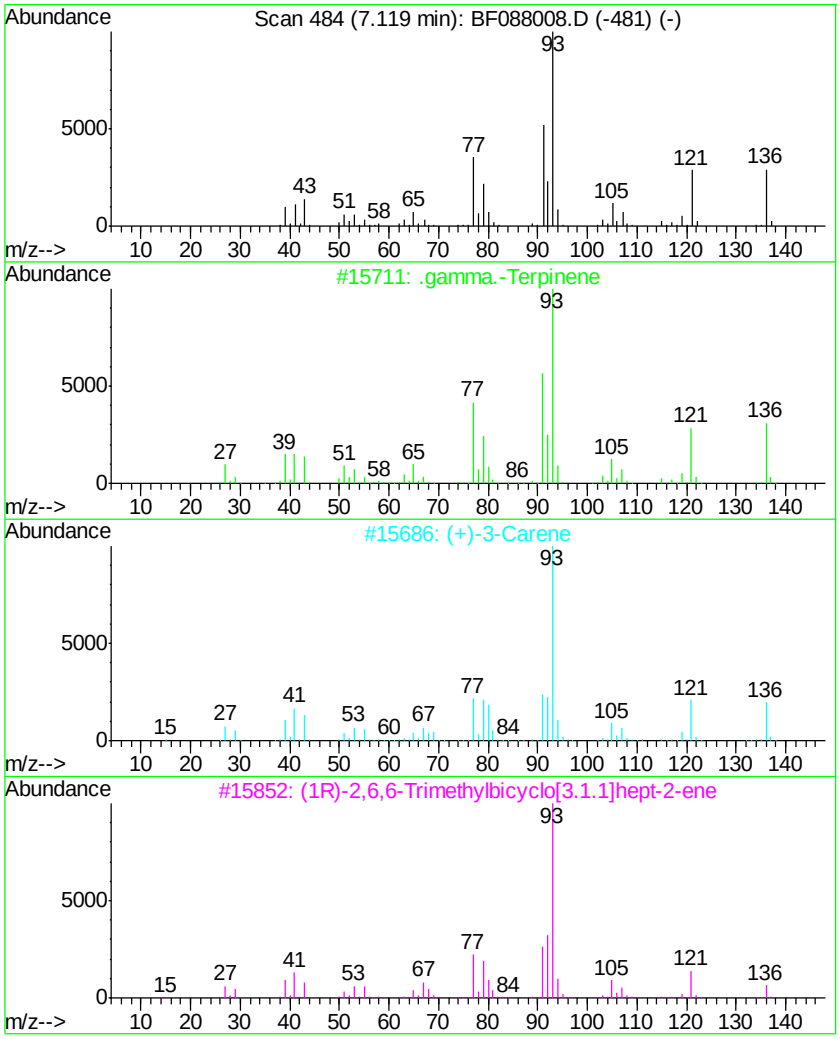
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

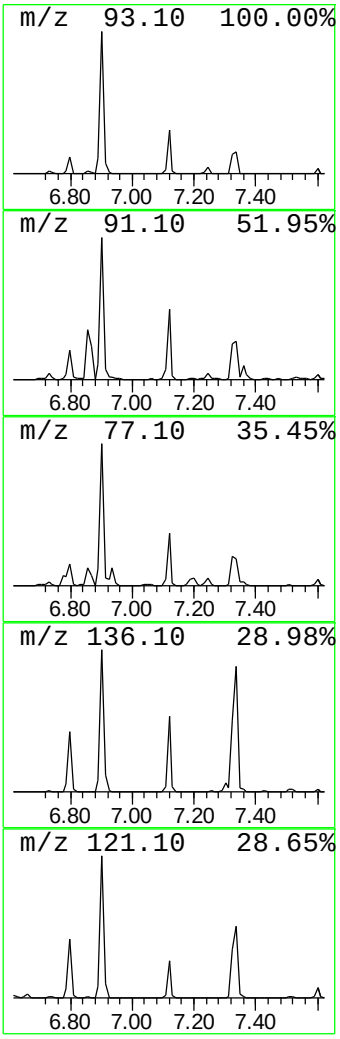
****

Peak Number 9 .gamma.-Terpinene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	6.78 ng	283625	1,4-Dichlorobenzene-d4	6.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Terpinene	136	C10H16	000099-85-4	97
2	(+)-3-Carene	136	C10H16	000498-15-7	94
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	93
4	3-Carene	136	C10H16	013466-78-9	91
5	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

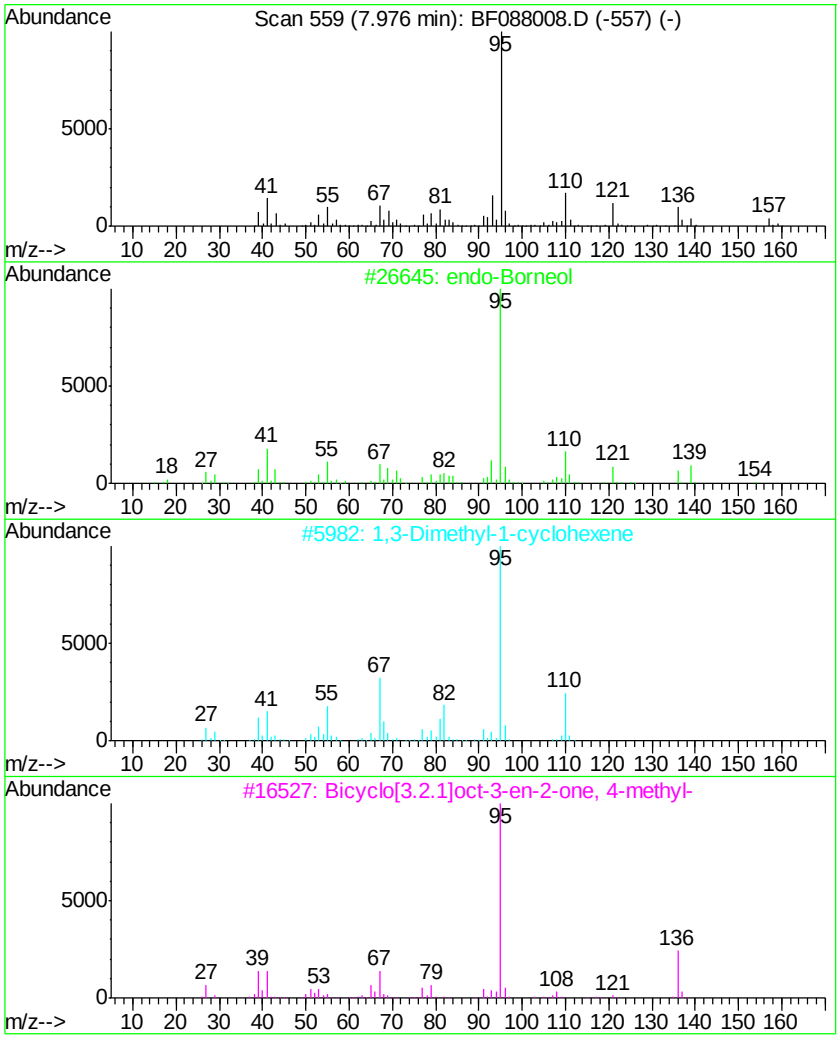
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

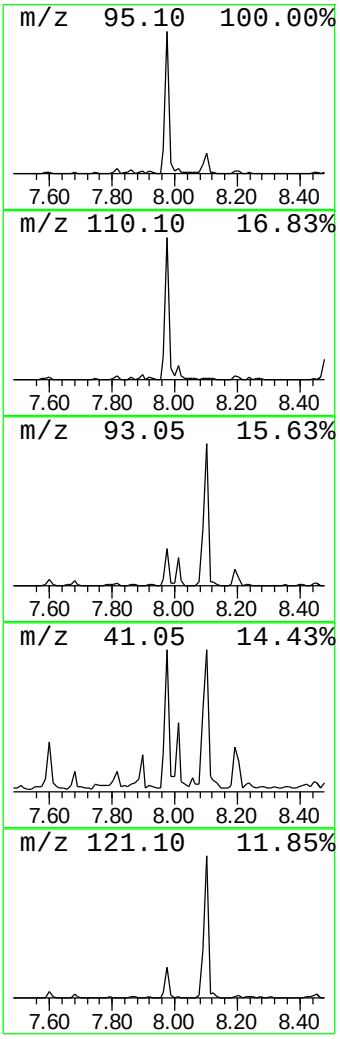
****

Peak Number 10 endo-Borneol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	15.20 ng	781037	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	endo-Borneol	154	C10H18O	000507-70-0	78
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	64
3	Bicyclo[3.2.1]oct-3-en-2-one, 4-...	136	C9H12O	062702-89-0	53
4	2-Amino-4-methylbut-2-enenitrile	110	C6H10N2	1000197-39-9	53
5	4-(1,2-Dimethyl-cyclopent-2-enyl...	166	C11H18O	075698-06-5	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

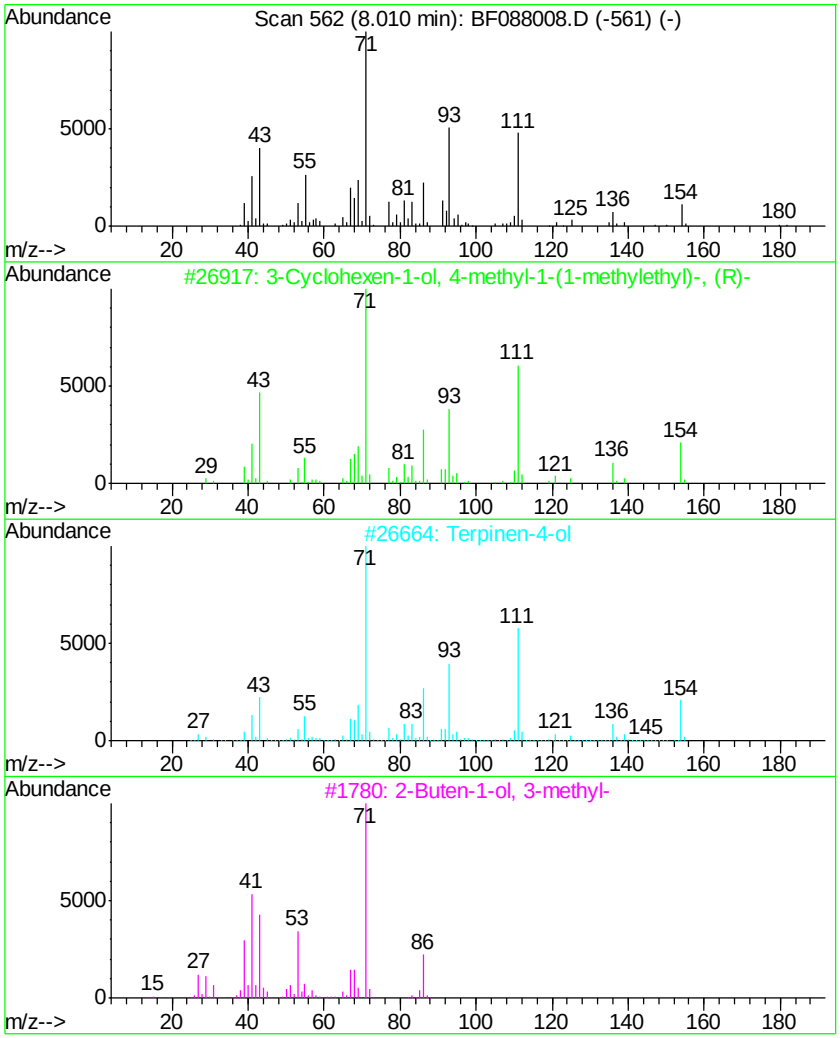
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

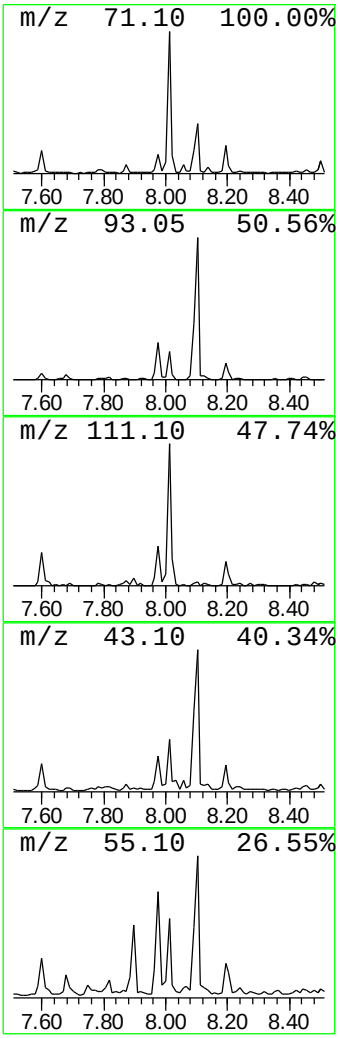
****

Peak Number 11 3-Cyclohexen-1-ol, 4-methyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	6.55 ng	336273	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	93
2	Terpinen-4-ol	154	C10H18O	000562-74-3	93
3	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	43
4	1-Cyclopentene-1-methanol, 2-met...	154	C10H18O	080113-82-2	41
5	2-Buten-1-ol, 2-methyl-	86	C5H10O	004675-87-0	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

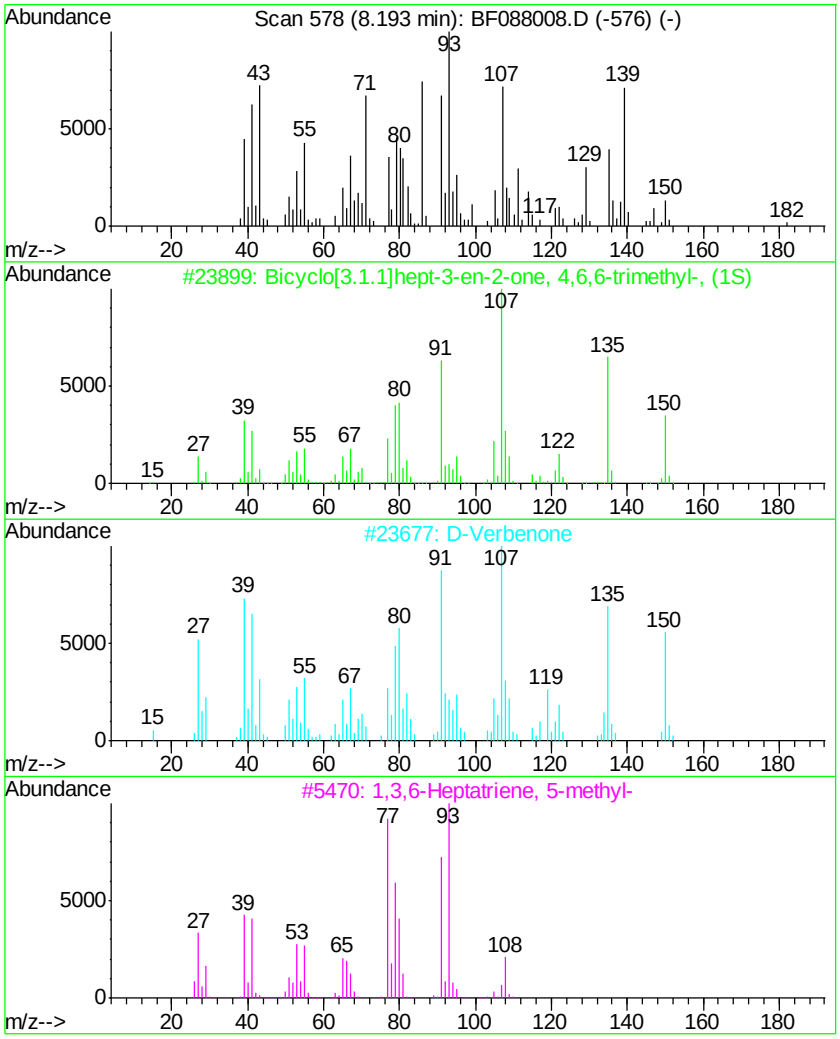
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

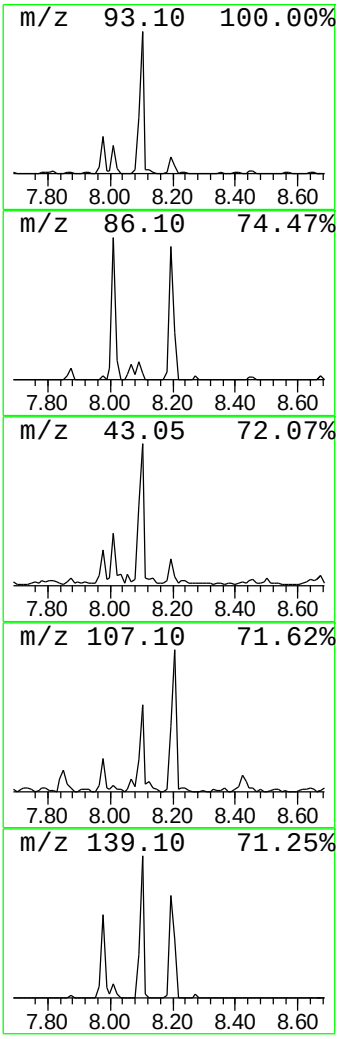
****

Peak Number 12 unknown8.19 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.19	6.96 ng	357702	Naphthalene-d8	8.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]hept-3-en-2-one, 4...	150	C10H14O	001196-01-6	47
2	D-Verbenone	150	C10H14O	018309-32-5	38
3	1,3,6-Heptatriene, 5-methyl-	108	C8H12	000925-52-0	38
4	1,3,7-Octatriene, 3,7-dimethyl-	136	C10H16	000502-99-8	35
5	Cyclohexane, 4-methyl-2-methylen...	150	C11H18	056763-62-3	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

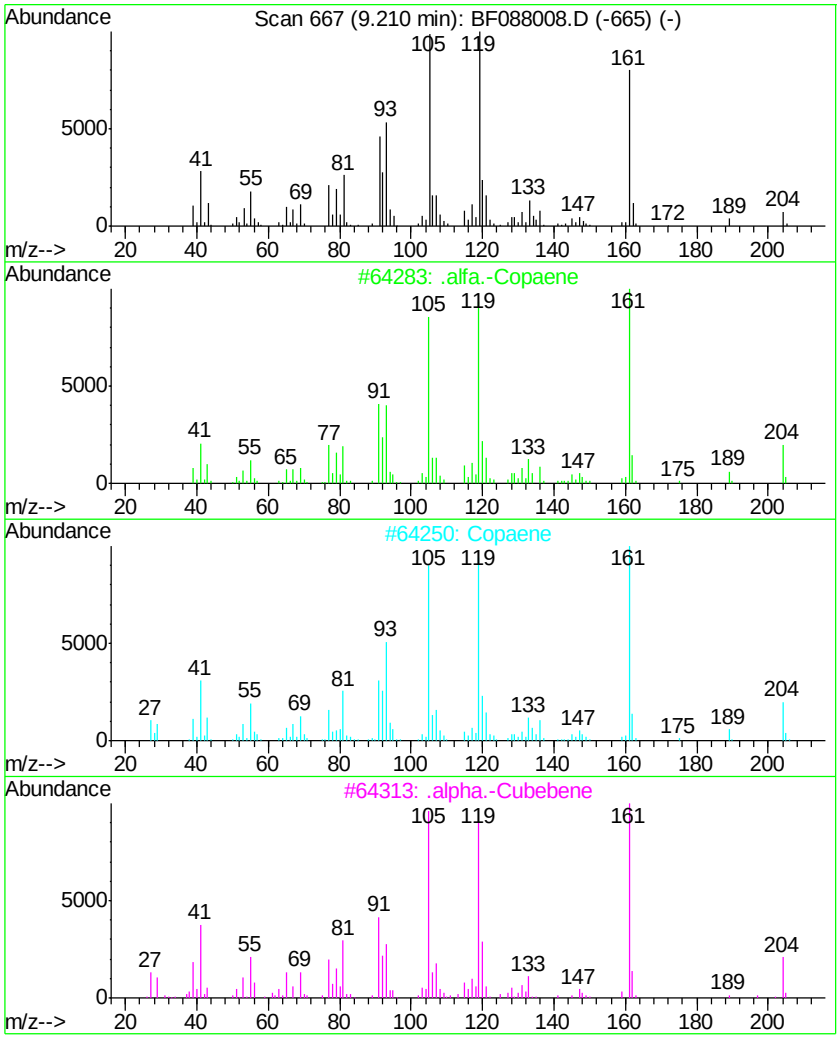
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

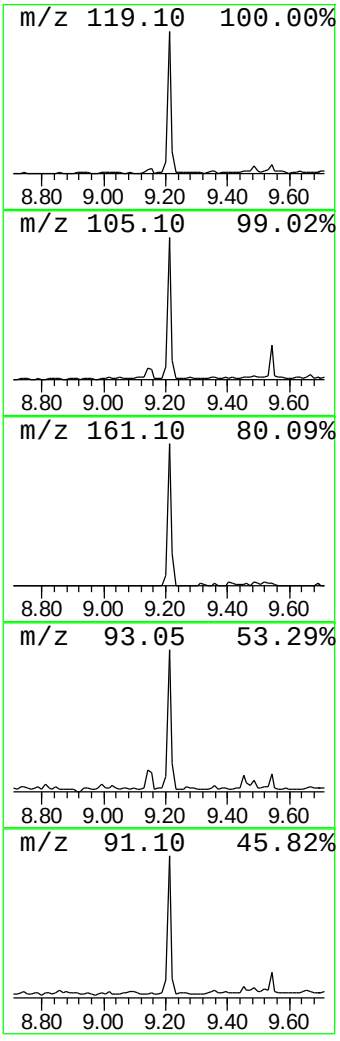
****

Peak Number 13 .alfa.-Copaene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	6.81 ng	348237	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alfa.-Copaene	204	C15H24	1000360-33-0	99
2	Copaene	204	C15H24	003856-25-5	98
3	.alpha.-Cubebene	204	C15H24	017699-14-8	97
4	1H-Cyclopenta[1,3]cyclopropa[1,2...	204	C15H24	013744-15-5	55
5	Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	55





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

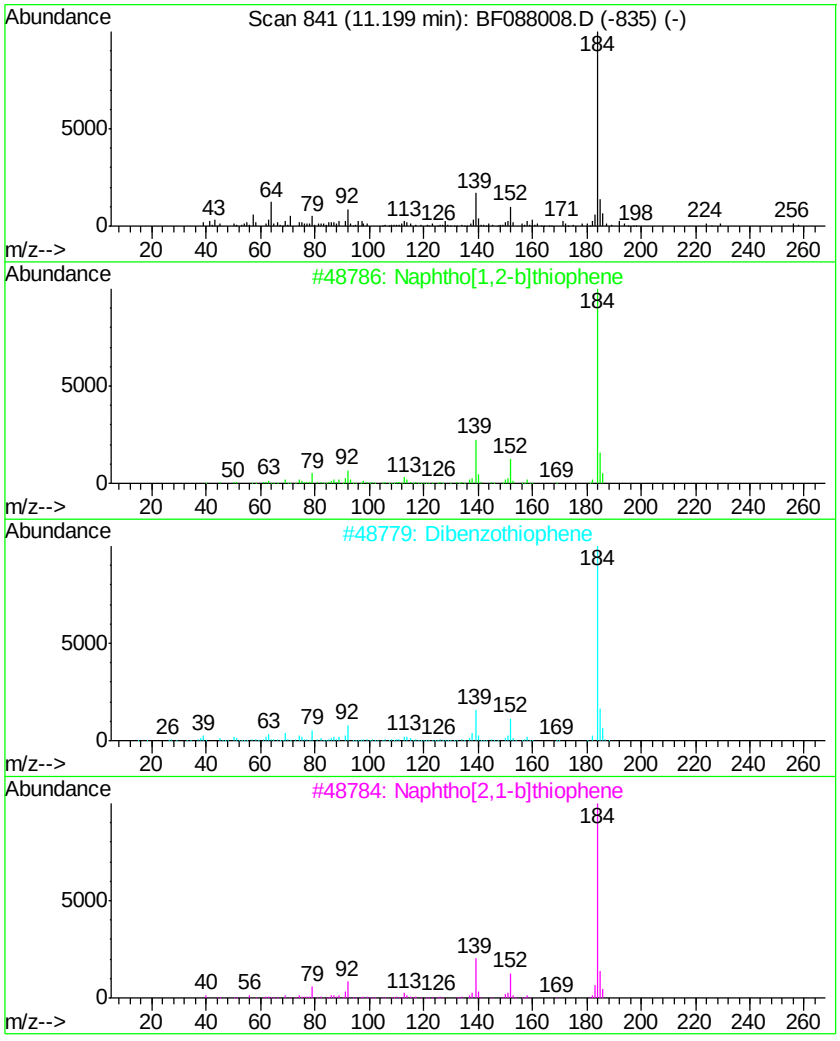
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

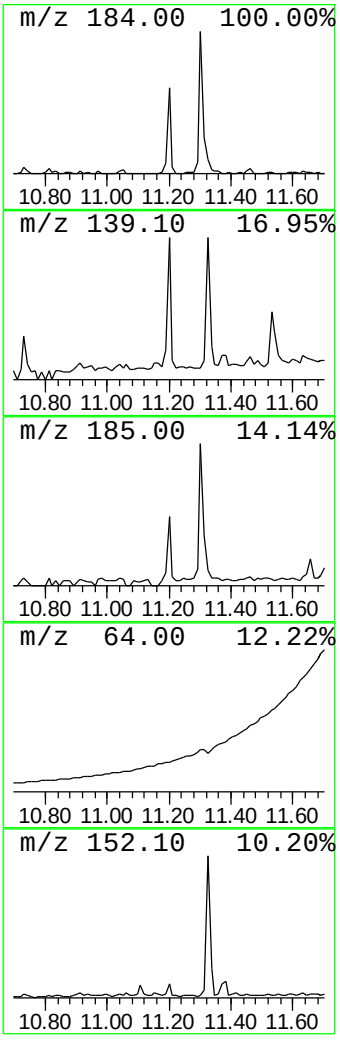
****

Peak Number 14 Naphtho[1,2-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	7.06 ng	301742	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

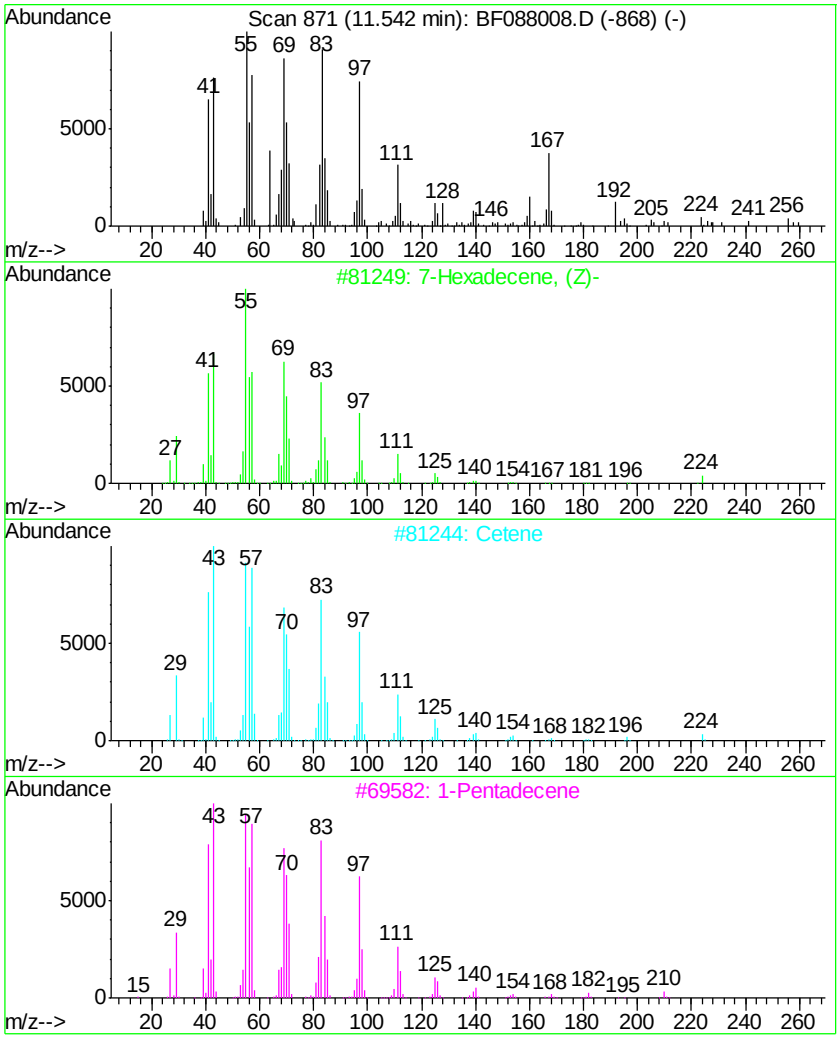
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

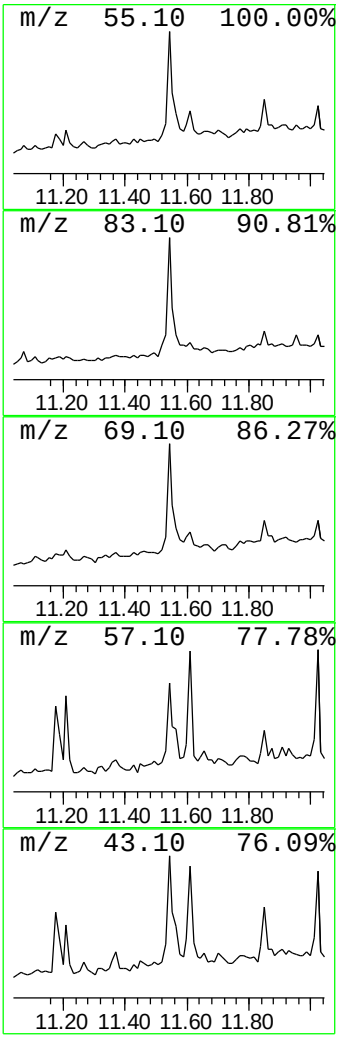
****

Peak Number 15 7-Hexadecene, (Z)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	10.77 ng	460383	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	98
2	Cetene	224	C16H32	000629-73-2	92
3	1-Pentadecene	210	C15H30	013360-61-7	91
4	Cyclododecane	168	C12H24	000294-62-2	90
5	1-Tetradecanol	214	C14H30O	000112-72-1	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

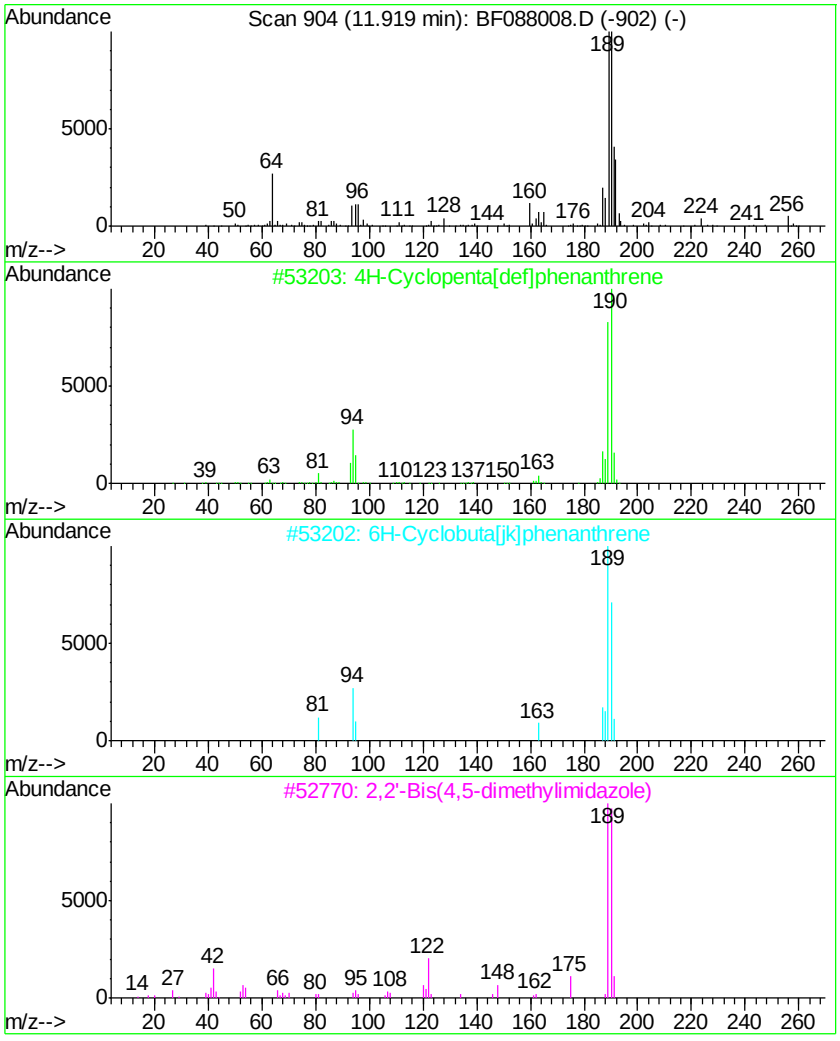
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

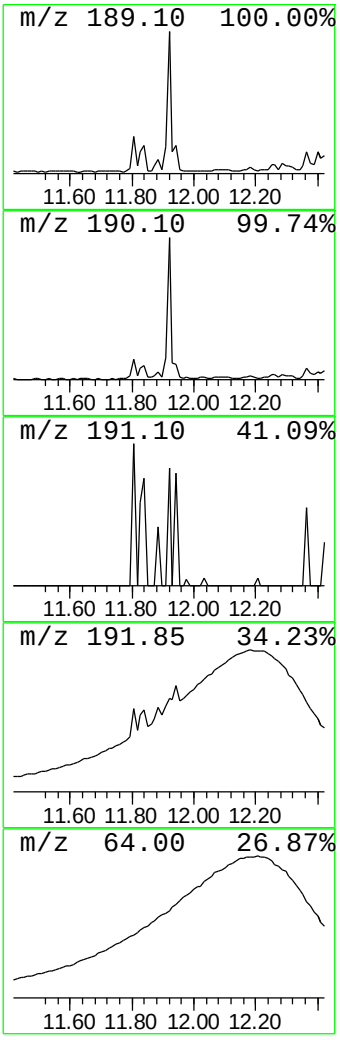
****

Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	5.39 ng	230520	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

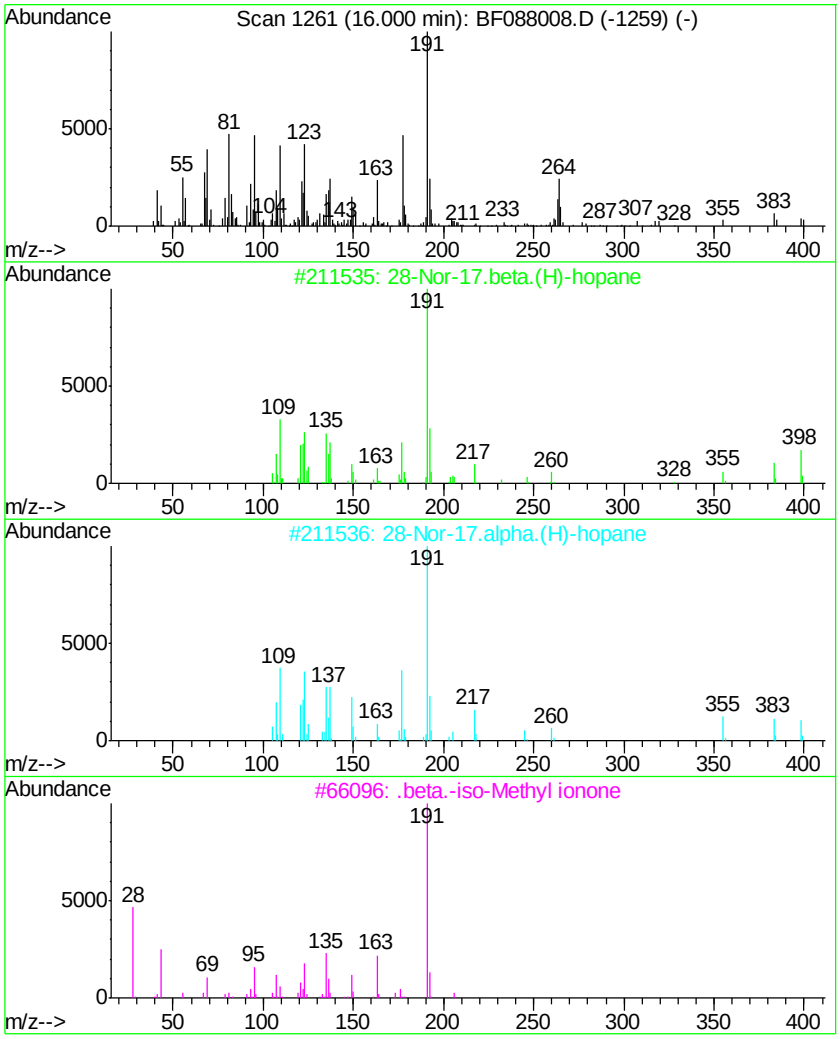
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

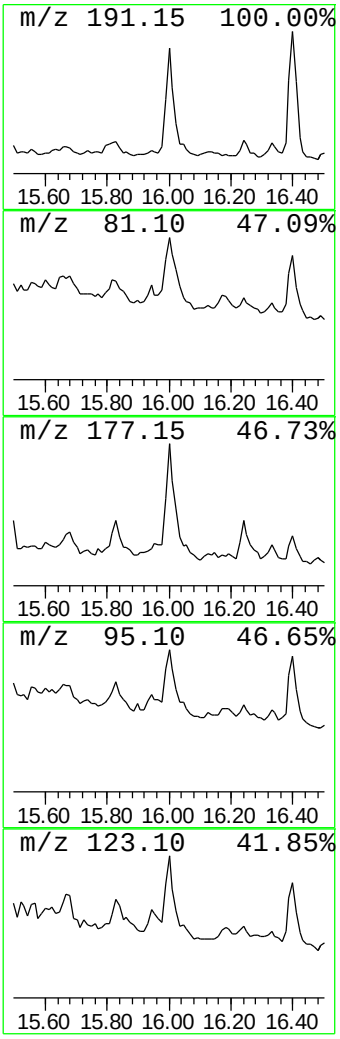
****

Peak Number 18 28-Nor-17.beta.(H)-hopane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	10.25 ng	362726	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	78
2	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	58
3	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	47
4	1,4-Benzenediol, 2-[(1,4,4a,5,6,...	314	C21H30O2	039707-55-6	38
5	(3-Cyano-6-ethyl-5-methyl-pyridi...	264	C13H16N2O2S	1000300-45-4	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

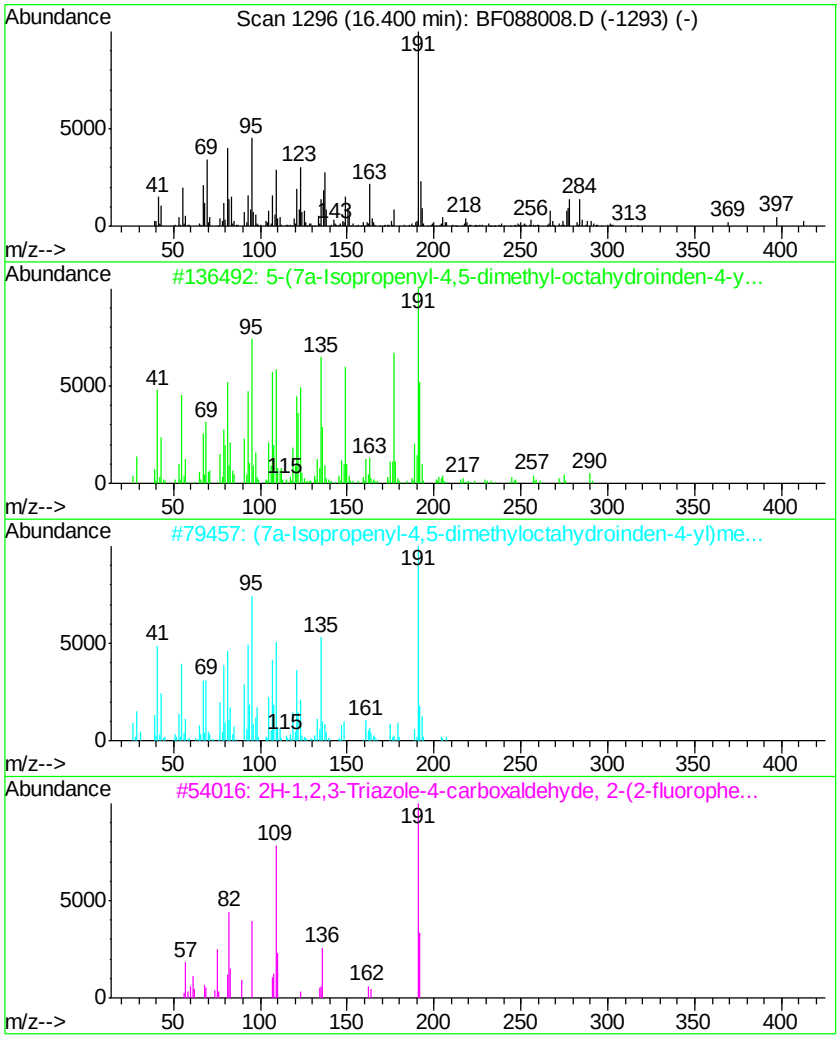
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

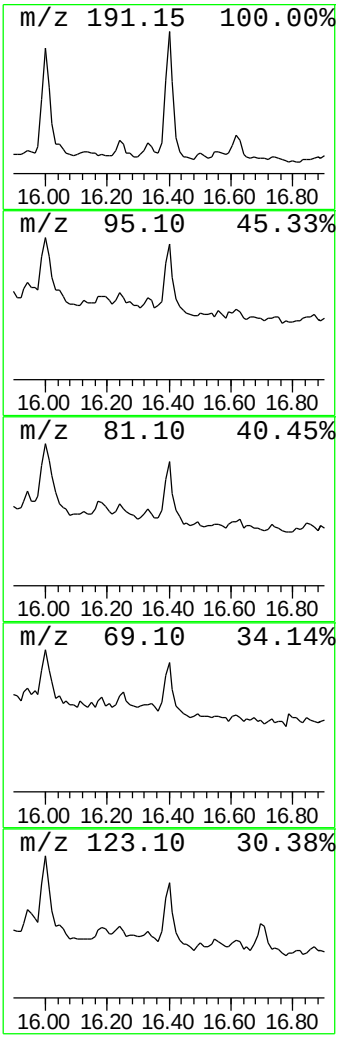
****

Peak Number 19 unknown16.40 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	9.43 ng	333599	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(7a-Isopropenyl-4,5-dimethyl-o...	290	C20H34O	1000193-54-0	43
2	(7a-Isopropenyl-4,5-dimethylocta...	222	C15H26O	1000187-02-9	40
3	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	38
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38
5	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

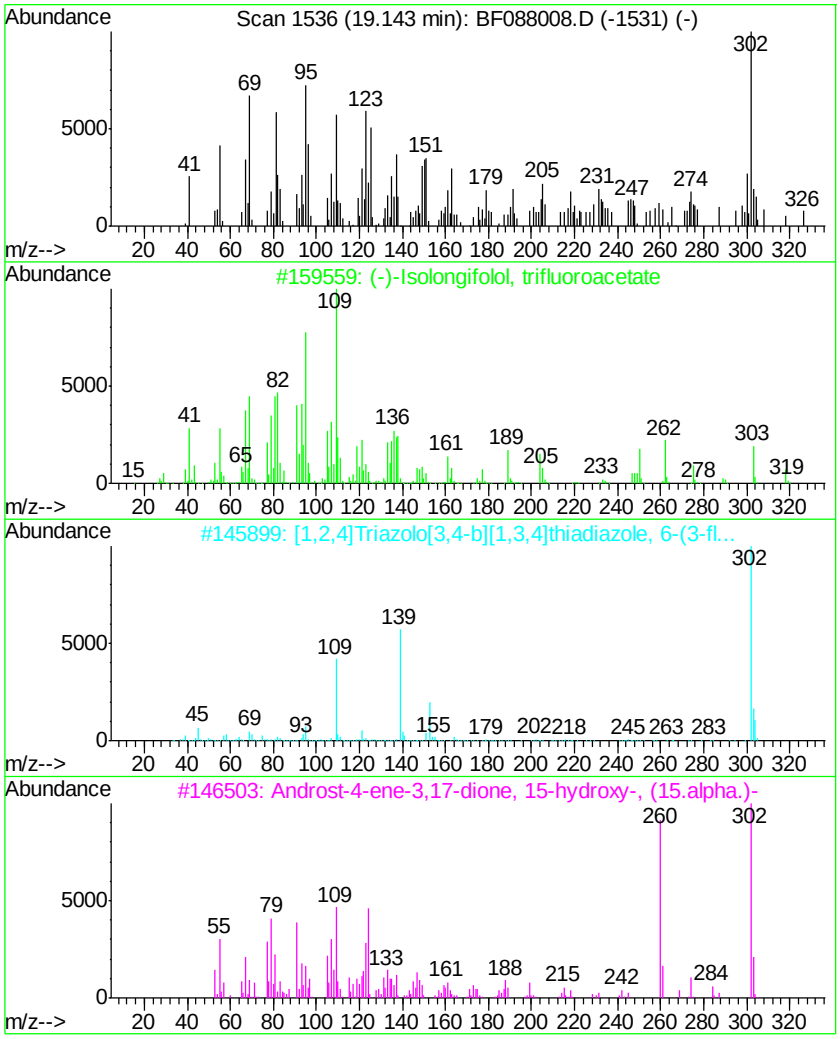
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

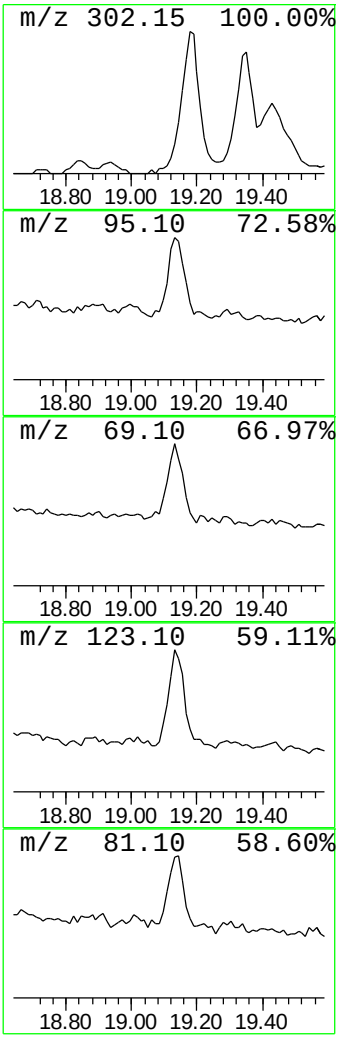
****

Peak Number 20 unknown19.14 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	13.05 ng	461514	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(-)-Isolongifolol, trifluoroacetate	318	C17H25F3O2	1000375-55-2	45
2	[1,2,4]Triazolo[3,4-b][1,3,4]thi...	302	C13H7FN4S2	1000337-41-7	38
3	Androst-4-ene-3,17-dione, 15-hyd...	302	C19H26O3	000566-08-5	38
4	Benzaldehyde, 2-hydroxy-, (2,4-d...	302	C13H10N4O5	001160-76-5	30
5	Androst-4-ene-3,17-dione, 11-hyd...	302	C19H26O3	000382-44-5	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
Data File : BF088008.D
Acq On : 14 Jun 2016 19:59
Operator : UM/SJ
Sample : H3450-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S7-B3-(0-9)C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(1S)-2,6,6-Trimet...	6.06	62.3	ng	2606290	1	6.78	837222	20.0
Camphene	6.22	14.2	ng	594115	1	6.78	837222	20.0
unknown6.55	6.55	48.2	ng	2019350	1	6.78	837222	20.0
p-Cymene	6.86	8.4	ng	349996	1	6.78	837222	20.0
D-Limonene	6.90	41.1	ng	1721650	1	6.78	837222	20.0
.gamma.-Terpinene	7.12	6.8	ng	283625	1	6.78	837222	20.0
endo-Borneol	7.98	15.2	ng	781037	2	8.07	1027440	20.0
3-Cyclohexen-1-ol...	8.01	6.5	ng	336273	2	8.07	1027440	20.0
unknown8.19	8.19	7.0	ng	357702	2	8.07	1027440	20.0
.alfa.-Copaene	9.21	6.8	ng	348237	3	9.82	1023240	20.0
Naphtho[1,2-b]thi...	11.20	7.1	ng	301742	4	11.30	854827	20.0
7-Hexadecene, (Z)-	11.54	10.8	ng	460383	4	11.30	854827	20.0
4H-Cyclopenta[def...	11.92	5.4	ng	230520	4	11.30	854827	20.0
28-Nor-17.beta.(H...	16.00	10.3	ng	362726	6	15.35	707512	20.0
unknown16.40	16.40	9.4	ng	333599	6	15.35	707512	20.0
unknown19.14	19.14	13.1	ng	461514	6	15.35	707512	20.0